

IN THE CLAIMS:

Please amend the Claims as follows:

1. (currently amended) An electrical power management architecture comprising:
a network;
at least one electric meter coupled with said network; and
an instant message server coupled with said at least one electric meter and said network, said at least one electric meter operative to generate a first instant message to said instant message server and receive a second instant message from said instant message server.
2. (currently amended) The electrical power management architecture of Claim 1 further comprising a presence server coupled with said network and operative to autonomously indicate a connection of said at least one electric meter with said network, said connection characterized by a presence.
3. (currently amended) The electrical power management architecture of Claim 2 further wherein said presence server indicates said presence of said at least one electric meter in substantially real time.
4. (currently amended) The electrical power management architecture of Claim 2 further wherein said presence server receives said presence of said at least one electric meter from said at least one electric meter.
5. (original) The electrical power management architecture of Claim 2, said presence server further including a security module, said security module operative to encrypt said presence.
6. (currently amended) The electrical power management architecture of Claim 2 wherein said presence indicates said at least one electric meter is available.
7. (currently amended) The electrical power management architecture of Claim 2 wherein said presence indicates said at least one electric meter is available with restriction.
8. (currently amended) The electrical power management architecture of Claim 2 wherein said presence indicates said at least one electric meter is active.

9. (currently amended) The electrical power management architecture of Claim 2 wherein said presence indicates said at least one electric meter is unavailable.
10. (currently amended) The electrical power management architecture of Claim 2 wherein said presence shows said at least one electric meter is decoupled from said electrical power management architecture.
11. (currently amended) The electrical power management architecture of Claim 2 further wherein said presence server polls said presence of said at least one electric meter.
12. (currently amended) The electrical power management architecture of Claim 11 further wherein said presence server polls said presence of said at least one electric meter using an electronic mail message.
13. (currently amended) The electrical power management architecture of Claim 11 further wherein said presence server polls said presence of said at least one electric meter on a scheduled basis.
14. (original) The electrical power management architecture of Claim 1, wherein said instant message server is operative to facilitate communication of data using a third instant message.
15. (currently amended) The electrical power management architecture of Claim 14 wherein said third instant message is sent to a plurality of electric ~~meter's~~ meters, each of said plurality of electric meters being coupled with said network.
16. (original) The electrical power management architecture of Claim 14, wherein said third instant message comprises power management data.
17. (original) The electrical power management architecture of Claim 16 wherein said power management data comprises power quality data.
18. (original) The electrical power management architecture of Claim 16 wherein said power management data comprises upgrade data.
19. (currently amended) The electrical power management architecture of Claim 16 wherein said power management data comprises at least one power management ~~commands~~ command.

20. (currently amended) The electrical power management architecture of Claim 1, wherein said instant message server is located on said at least one electric meter.
21. (original) The electrical power management architecture of Claim 1, wherein said instant message server is centralized.
- 5 22. (original) The electrical power management architecture of Claim 1, wherein said instant message server is distributed.
23. (currently amended) The electrical power management architecture of Claim 1 further comprising a second network and a firewall, said firewall operative to securely couple said network with a said second network.
- 10 24. (original) The electrical power management architecture of Claim 1, wherein said network comprises a publicly accessible communications network.
25. (original) The electrical power management architecture of Claim 1, wherein said network comprises a Transmission Control Protocol/Internet Protocol ("TCP/IP") based network.
- 96
any 15 26. (original) The electrical power management architecture of Claim 25 wherein said network comprises the Internet.
27. (original) The electrical power management architecture of Claim 25 wherein said network comprises an intranet.
28. (currently amended) The electrical power management architecture of Claim 1 wherein said at least one electric meter is a at least one revenue meter.
- 20 29. (currently amended) The electrical power management architecture of Claim 1 wherein said at least one electric meter is characterized by a presence, said at least one electric meter operative to broadcast said presence.
30. (currently amended) An electrical power management architecture comprising:
25 a network;
a presence server;
at least one electric meter coupled with said network, said at least one electric meter operative to autonomously indicate said connection of said at least one electric

meter on said network, said presence server operative to receive said autonomous indication.

5 31. (currently amended) The electrical power management architecture of Claim 30 further wherein said autonomous indication comprises a presence of said at least one electric meter.

32. (original) The electrical power management architecture of Claim 30 further comprising an instant message server coupled with said network.

10 33. (original) The electrical power management architecture of Claim 30 further wherein said autonomous indication is transmitted to a plurality of available recipients on said network.

34. (original) The electrical power management architecture of Claim 30 wherein said autonomous indication is further characterized by a status.

15 35. (currently amended) The electrical power management architecture of Claim 30 further wherein said presence server polls said autonomous indication of said at least one electric meter.

36. (currently amended) The electrical power management architecture of Claim 35 further wherein said presence server polls said autonomous indication of said at least one electric meter using an electronic mail message.

20 37. (currently amended) The electrical power management architecture of Claim 35 further wherein said presence server polls said autonomous indication of said at least one electric meter on a scheduled basis.

38. (currently amended) The electrical power management architecture of Claim 30 further wherein said presence server indicates said autonomous indication of said at least one electric meter in substantially real time.

25 39. (currently amended) The electrical power management architecture of Claim 30 further wherein said presence server receives said autonomous indication of said at least one electric meter from said at least one electric meter.

40. (original) The electrical power management architecture of Claim 30, said presence server further including a security module, said security module operative to encrypt said presence.

5 41. (currently amended) The electrical power management architecture of Claim 30, wherein said presence server is located on said at least one electric meter.

42. (original) The electrical power management architecture of Claim 30, wherein said presence server is centralized.

10 43. (currently amended) The electrical power management architecture of Claim 30 wherein said autonomous indication indicates said at least one electric meter is available with restriction.

44. (currently amended) The electrical power management architecture of Claim 30 wherein said autonomous indication indicates said at least one electric meter is active.

15 45. (currently amended) The electrical power management architecture of Claim 30 wherein said autonomous indication indicates said at least one electric meter is unavailable.

46. (currently amended) The electrical power management architecture of Claim 45 further wherein said at least one electric meter is available.

20 47. (currently amended) The electrical power management architecture of Claim 30 wherein said autonomous indication indicates said at least one electric meter is available.

48. (currently amended) The electrical power management architecture of Claim 30 wherein said autonomous indication further indicates said status of said at least one electric meter.

25 49. (currently amended) The electrical power management architecture of Claim 30 wherein said autonomous indication indicates said at least one electric meter is decoupled from said electrical power management architecture.

50. (original) The electrical power management architecture of Claim 30, wherein said network comprises a publicly accessible communications network.

51. (original) The electrical power management architecture of Claim 30, wherein said network comprises a Transmission Control Protocol/Internet Protocol ("TCP/IP") based network.

5 52. (original) The electrical power management architecture of Claim 51 wherein said network comprises an intranet.

53. (original) The electrical power management architecture of Claim 30 wherein said autonomous indication is broadcast onto said network.

54. (currently amended) The electrical power management architecture of Claim 30 wherein said at least one electric meter is a at least one revenue meter.

10 55. (original) The electrical power management architecture of Claim 30 further comprising an instant message server coupled to at least one intelligent electronic device ("IED") and said network.

15 56. (currently amended) A method of monitoring presence of at least one intelligent electronic device ("IED") in an electrical power management architecture, said method comprising:

9b
56a
(a) coupling said at least one IED with a network, said at least one IED being characterized by said presence;

(b) transmitting, autonomously, said presence of said at least one IED onto said network;

20 (c) receiving said presence of said at least one IED at a presence server coupled with said network; and

(d) monitoring said presence of said at least one IED.

57. (currently amended) The method of claim 56, further comprising said monitoring further comprises updating said presence of said at least one IED on said presence server.

25 58. (currently amended) The method of claim 56, wherein said receiving further comprises displaying said presence of said at least one IED on said presence server.

59. (currently amended) The method of claim 56, wherein said at least one IED further comprises a security module, said method further comprising;

(e) encrypting said presence by said security module.

60. (original) The method of claim 56, wherein said monitoring further comprises monitoring according to a pre-defined schedule maintained by said presence server.

61. (currently amended) The method of claim 56, wherein said monitoring further comprises monitoring according to a pre-defined schedule maintained by said at least one IED.

62. (currently amended) The method of claim 56, wherein said transmitting further comprises transmitting said presence in response to an occurrence of a event monitored on said at least one IED.

63. (currently amended) An electrical power management architecture comprising:

a network;

a presence server coupled with said network;

at least one intelligent electronic device ("IED") coupled with said network, said at least one IED operative to autonomously indicate said connection of said at least one IED on said network, said presence server operative to receive said autonomous indication.

64. (currently amended) The electrical power management architecture of Claim 63 wherein said at least one IED is a relay.

65. (currently amended) An electrical power management architecture comprising:

at least one intelligent electronic device ("IED") coupled with a portion of an electrical power system and further coupled with an internal network;

a firewall, said firewall operative to securely couple an external network with said internal network; and

a network interface operative to couple said at least one IED with said internal network and facilitate a communications, initiated by said at least one IED, of first power management data through said firewall from said internal network to said external network.

66. (original) An electrical power management architecture for managing an electrical power distribution system comprising:

a network;

at least one intelligent electronic device ("IED") coupled with a portion of said electrical power distribution system and further coupled with said network, each of said at least one IED operative to implement a power management function in conjunction with said portion of said electrical power distribution system, said power management function operative to respond to at least one power management command and generate power management data, each of said at least one IED comprising:

a first network interface operative to couple said at least one IED with said network and facilitate autonomous transmission of said power management data and receipt of said at least one power management command over said network; and

a security module coupled with said first network interface and operative to prevent unauthorized access to said power management data;

said architecture further comprising:

a power management application coupled with said network and operative to receive and process said power management data from said at least one IED and generate said at least one power management command to said at least one IED to implement said power management function.

67. (currently amended) The electrical power management architecture of Claim 66 wherein said power management data and said at least one power management ~~commands-command~~ ~~are-is~~ communicated as instant messages.

68. (new) The electrical power management architecture of Claim 2, wherein said presence indicates the geographic location of said at least one electric meter.

69. (new) The electrical power management architecture of Claim 2, wherein said presence indicates said at least one electric meter is hidden from unauthorized users.

70. (new) The electrical power management architecture of Claim 30, wherein said autonomous indication indicates the geographic location of said at least one electric meter.

71. (new) The electrical power management architecture of Claim 30, wherein said autonomous indication indicates said at least one electric meter is hidden from unauthorized users.
